

1           Claims 1-14, 16-17, 20-27 and 29-42 remain in the Application as follows:

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3           **1. (Currently Amended)** A programming interface embodied on  
4 one or more computer-readable storage media, comprising:

5           a first group of services related to re-usable user interface controls, the first  
6 group of services including a control that allows preview images of items to be  
7 displayed;

8           a second group of services related to user interface dialogs and user  
9 interface wizards, the second group of services including a first dialog to allow  
10 files and folders to be opened and saved;

11           a third group of services related to extending the user interface  
12 functionality, the third group of services including functionality to allow  
13 identification of application-defined thumbnails; and

14           a fourth group of services related to extending functionality of a desktop of  
15 the user interface, the fourth group of services including functionality to allow a  
16 sidebar to be displayed on the desktop, wherein the first and second and third and  
17 fourth groups of services are defined by respective namespaces of the  
18 programming interface.

1           **2. (Currently Amended)** A programming interface as recited in  
2 claim 1, wherein the first group of services includes:

3           a first control that encapsulates a storage user experience;  
4           a second control that allows an item to be displayed in an application-  
5 defined manner;  
6           a third control that allows items to be added to a sidebar of the desktop; and  
7           a fourth control that allows items to be added to a list; and  
8           a fifth control that allows preview images of items to be displayed.

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10          **3. (Currently Amended)** A programming interface as recited in  
11 claim 1, wherein the second group of services includes:

12          ~~a first dialog to allow files and folders to be opened and saved;~~  
13          a first wizard to allow optical discs to be written to; and  
14          a second wizard to facilitate sending images by electronic mail.

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16          **4. (Currently Amended)** A programming interface as recited in  
17 claim 1, wherein the third group of services includes:

18          a first functionality to allow additions to context menus; and  
19          ~~a second functionality to allow identification of application-defined~~  
20          ~~thumbnails; and~~  
21          a ~~third~~ second functionality to allow calculations to be performed when  
22 displaying information regarding one or more files or folders.

1           **5. (Currently Amended)** A programming interface as recited in  
2 claim 1, wherein the fourth group of services includes:

3           a ~~first functionality to allow a sidebar to be displayed on the desktop; and~~  
4           a ~~second~~ functionality to allow application-defined notifications to be  
5 displayed on the desktop.

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7           **6. (Currently Amended)** A system implemented by way of one or  
8 more computers, comprising:

9           means for exposing a first set of functions that enable re-usable controls of  
10 a user interface;

11           means for exposing a second set of functions that enable re-usable dialogs  
12 of the user interface and re-usable wizards of the user interface; and

13           means for exposing a third set of functions that enable extending  
14 functionality of a desktop of the user interface, wherein the means for exposing the  
15 first set of functions including means for exposing one or more functions that  
16 allow items to be added to a sidebar of the desktop.

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18           **7. (Original)** A system as recited in claim 6, further comprising:

19           means for exposing a fourth set of functions that enable extending  
20 functionality of the user interface.

1           **8. (Original)** A system as recited in claim 7, wherein the means for  
2 exposing the fourth set of functions comprises:

3           means for exposing one or more functions to allow additions to context  
4 menus;

5           means for exposing one or more functions to allow identification of  
6 application-defined thumbnails; and

7           means for exposing one or more functions to allow calculations to be  
8 performed when displaying information regarding one or more files or folders.

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10          **9. (Currently Amended)** A system as recited in claim 6, wherein  
11 the means for exposing the first set of functions comprises:

12          means for exposing one or more functions that encapsulate a storage user  
13 experience;

14          means for exposing one or more functions that allow an item to be  
15 displayed in an application-defined manner;

16          ~~means for exposing one or more functions that allow items to be added to a  
17 sidebar of the desktop;~~

18          means for exposing one or more functions that allow items to be added to a  
19 list; and

20          means for exposing one or more functions that allow preview images of  
21 items to be displayed.

1           **10. (Original)** A system as recited in claim 6, wherein the means for  
2 exposing the second set of functions comprises:

3           means for exposing one or more functions that allow files and folders to be  
4 opened and saved;

5           means for exposing one or more functions that allow optical discs to be  
6 written to; and

7           means for exposing one or more functions that allow images to be sent by  
8 electronic mail to be re-sized.

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10          **11. (Original)** A system as recited in claim 6, wherein the means for  
11 exposing the third set of functions comprises:

12          means for exposing one or more functions that allow a sidebar to be  
13 displayed on the desktop; and

14          means for exposing one or more functions that allow application-defined  
15 notifications to be displayed on the desktop.

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1           **12. (Currently Amended)** A method implemented by way of one or  
2       more computers of organizing a set of types for a user interface into a hierarchical  
3       namespace comprising:

4           creating a plurality of groups from the set of types, each group containing at  
5       least one type that exposes logically related functionality;

6           assigning a name to each group in the plurality, wherein one of the groups  
7       in the plurality includes functionality related to re-useable user interface controls,  
8       and wherein another of the groups in the plurality includes functionality related to  
9       re-useable user interface dialogs and re-useable user interface wizards, and  
10      wherein yet another of the groups of the plurality includes functionality to allow  
11      application identification of thumbnails; and

12       selecting a top level identifier and prefixing the name of each group with  
13       the top level identifier so that the types in each group are referenced by a  
14       hierarchical name that includes the selected top level identifier prefixed to the  
15       name of the group containing the type.

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17       **13. (Original)** A method as recited in claim 12, wherein yet another  
18       of the groups in the plurality includes functionality related to extending user  
19       interface functionality.

1           **14. (Currently Amended)** A method as recited in claim 13, wherein  
2 the functionality related to extending user interface functionality comprises:  
3           a first functionality to allow additions to context menus; and  
4           a second functionality to allow application identification of thumbnails; and  
5           a third second functionality to allow calculations to be performed when  
6 displaying information regarding one or more files or folders.

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8           **15. (Cancelled).**

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10          **16. (Original)** A method as recited in claim 12, wherein yet another  
11 of the groups in the plurality includes functionality related to extending  
12 functionality of a user interface desktop.

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14          **17. (Original)** A method as recited in claim 16, wherein the  
15 functionality related to extending functionality of a user interface desktop  
16 comprises:  
17           a first functionality to allow a sidebar to be displayed on the desktop; and  
18           a second functionality to allow application-defined notifications to be  
19 displayed on the desktop.

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21          **18-19. (Cancelled).**

1           **20. (Original)** A method as recited in claim 12, wherein the  
2 functionality related to re-useable user interface controls comprises:

3           a first control that encapsulates a storage user experience;  
4           a second control that allows an item to be displayed in an application-  
5 defined manner;  
6           a third control that allows items to be added to a list; and  
7           a fourth control that allows preview images of items to be displayed.

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9           **21. (Original)** A method as recited in claim 12, wherein the  
10 functionality related to re-useable user interface dialogs and re-useable user  
11 interface wizards comprises:

12           a first dialog to allow files and folders to be opened and saved;  
13           a first wizard to allow optical discs to be written to; and  
14           a second wizard to facilitate sending images by electronic mail.

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1           **22. (Currently Amended)**   A method implemented by way of one or  
2       more computers, comprising:

3           creating a first namespace with functions that enable extending  
4       functionality of a user interface, the first namespace including functionality to  
5       allow calculations to be performed when displaying information regarding one or  
6       more files or folders; and

7           creating a second namespace with functions that enable extending  
8       functionality of a desktop of the user interface, the second namespace including:

9               a first functionality to allow a sidebar to be displayed on the desktop;

10              and

11               a second functionality to allow application-defined notifications to  
12       be displayed on the desktop.

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14           **23. (Original)**   A method as recited in claim 22, further comprising:

15           creating a third namespace with functions that enable re-usable user  
16       interface controls.

1           **24. (Original)** A method as recited in claim 23, wherein the third  
2 namespace includes:

3           a first control that encapsulates a storage user experience;  
4           a second control that allows an item to be displayed in an application-  
5 defined manner;  
6           a third control that allows items to be added to a sidebar of the desktop;  
7           a fourth control that allows items to be added to a list; and  
8           a fifth control that allows preview images of items to be displayed.

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10          **25. (Original)** A method as recited in claim 22, further comprising:  
11           creating a third namespace with functions that enable user interface dialogs  
12 and user interface wizards;

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14          **26. (Original)** A method as recited in claim 25, wherein the third  
15 namespace includes:

16           a first dialog to allow files and folders to be opened and saved;  
17           a first wizard to allow optical discs to be written to; and  
18           a second wizard to facilitate sending images by electronic mail.

1           **27. (Original)** A method as recited in claim 22, wherein the first  
2 namespace includes:

3                 a first functionality to allow additions to context menus;  
4                 a second functionality to allow identification of application-defined  
5 thumbnails; and

6                 a third functionality to allow calculations to be performed when displaying  
7 information regarding one or more files or folders.

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9           **28. (Cancelled).**

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11          **29. (Currently Amended)** A method implemented by way of one or  
12 more computers, comprising:

13                 calling one or more first functions to use controls of a user interface; and  
14                 calling one or more second functions to extend functionality of the user  
15 interface, including one or more second functions to allow identification of  
16 application-defined thumbnails.

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18          **30. (Original)** A method as recited in claim 29, further comprising:  
19                 calling one or more third functions to extend functionality of a desktop of  
20 the user interface.

1           **31. (Original)** A method as recited in claim 30, wherein the functions  
2 to extend functionality of the desktop include:

3                 one or more functions to allow a sidebar to be displayed on the desktop;  
4 and

5                 one or more functions to allow application-defined notifications to be  
6 displayed on the desktop.

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8           **32. (Original)** A method as recited in claim 29, further comprising:

9                 calling one or more third functions to use dialogs and wizards of the user  
10 interface.

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12           **33. (Original)** A method as recited in claim 32, wherein the functions  
13 to use dialogs and wizards of the user interface include:

14                 one or more functions to use a dialog to allow files and folders to be opened  
15 and saved;

16                 one or more functions to use a wizard to allow optical discs to be written to;  
17 and

18                 one or more functions to use another wizard to facilitate sending images by  
19 electronic mail.

1           **34. (Original)** A method as recited in claim 29, wherein the functions  
2 to use controls of the user interface include:

3           one or more functions that encapsulate a storage user experience;  
4           one or more functions that allow an item to be displayed in an application-  
5 defined manner;  
6           one or more functions that allow items to be added to a list; and  
7           one or more functions that allow preview images of items to be displayed.

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9           **35. (Currently Amended)** A method as recited in claim 29, wherein  
10 the functions to extend functionality of the user interface include:

11           one or more functions to allow additions to context menus; and  
12           ~~one or more functions to allow identification of application defined~~  
13 ~~thumbnails; and~~  
14           one or more functions to allow calculations to be performed when  
15 displaying information regarding one or more files or folders.

1           **36. (Currently Amended)** A method implemented by way of one or  
2 more computers, comprising:

3           receiving one or more calls to one or more first functions to use controls of  
4 a user interface; and

5           receiving one or more calls to one or more second functions to extend  
6 functionality of a desktop of the user interface, wherein the first functions to use  
7 controls of the user interface include one or more functions that allow items to be  
8 added to a sidebar of the desktop, and wherein the second functions to extend  
9 functionality of a user interface include one or more functions to allow  
10 calculations to be performed when displaying information regarding one or more  
11 files or folders.

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13           **37. (Original)** A method as recited in claim 36, further comprising:

14           receiving one or more calls to one or more third functions to extend  
15 functionality of the user interface.

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17           **38. (Currently Amended)** A method as recited in claim 37, wherein  
18 the functions to extend functionality of the user interface include:

19           one or more functions to allow additions to context menus; and  
20           one or more functions to allow identification of application-defined  
21 thumbnails; and  
22           one or more functions to allow calculations to be performed when  
23 displaying information regarding one or more files or folders.

1           **39. (Original)** A method as recited in claim 36, further comprising:  
2           receiving one or more calls to one or more third functions to use dialogs  
3 and wizards of the user interface.

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5           **40. (Original)** A method as recited in claim 39, wherein the functions  
6 to use dialogs and wizards of the user interface include:

7           one or more functions to use a dialog to allow files and folders to be opened  
8 and saved;

9           one or more functions to use a wizard to allow optical discs to be written to;  
10 and

11           one or more functions to use another wizard to facilitate sending images by  
12 electronic mail.

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14           **41. (Currently Amended)** A method as recited in claim 36, wherein  
15 the functions to use controls of the user interface include:

16           one or more functions that encapsulate a storage user experience;

17           one or more functions that allow an item to be displayed in an application-  
18 defined manner;

19           ~~one or more functions that allow items to be added to a sidebar of the~~  
20 ~~desktop;~~

21           one or more functions that allow items to be added to a list; and

22           one or more functions that allow preview images of items to be displayed.

1           **42. (Original)** A method as recited in claim 36, wherein the functions  
2 to extend functionality of the desktop include:  
3                 one or more functions to allow a sidebar to be displayed on the desktop;  
4 and  
5                 one or more functions to allow application-defined notifications to be  
6 displayed on the desktop.